



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 10, 2017

Ms. Melinda Bowman
State Regulatory and Label Lead
Registration Manager – Bifenazate
Arysta Life Science
15401 Weston Parkway, Suite 150
Cary, NC 27513

Subject: Label Amendment – Agency-initiated Label Amendments
Product Name: Prevamite® O
EPA Registration Number: 400-582
Application Date: July 1, 2016
Decision Number: 519459

Dear Ms. Bowman:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Jacquelyn Herrick by phone at 703-347-0559, or via email at herrick.jacquelyn@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Elyssa Arnold". The signature is written in a cursive style with a loop at the end of the last name.

Elyssa Arnold, Acting Product Manager 01
Invertebrate & Vertebrate Branch 3
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

Prevamite® O

GROUP	6	ACARICIDE
GROUP	20	ACARICIDE

MITICIDE/INSECTICIDE

Active Ingredient: (% by weight)
 bifenazate: hydrazine carboxylic acid, 2-(4-methoxy-[1,1'-biphenyl]-3-yl) 1-methylethyl ester (CAS No. 149877-41-8) 43.2%*
 Abamectin (CAS No. 71751-41-2) 2.2%**
 Other Ingredients: 54.6%
 Total 100.0%

*Contains 4.0 lbs. bifenazate per gallon.

**Contains 0.20 lbs. abamectin per gallon.

KEEP OUT OF REACH OF CHILDREN

WARNING • AVISO

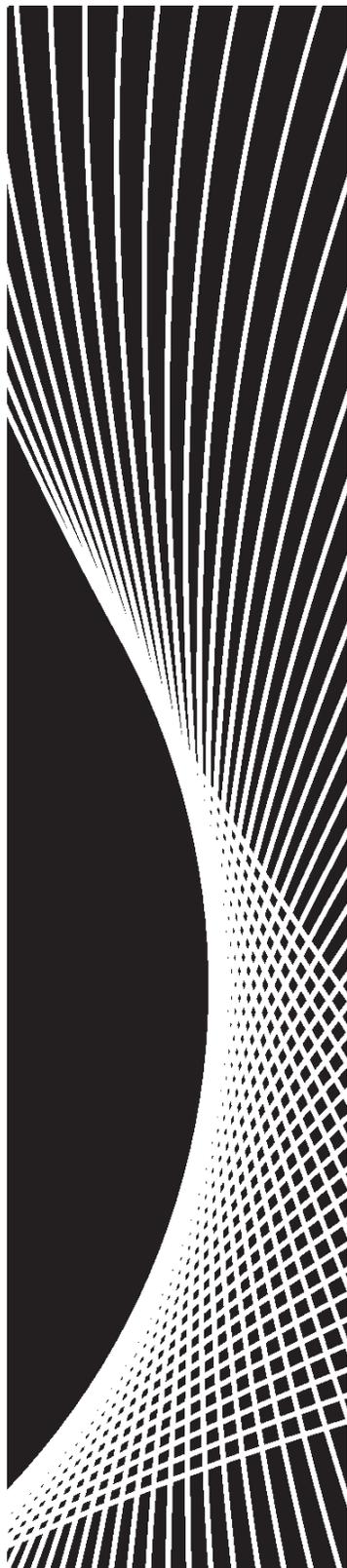
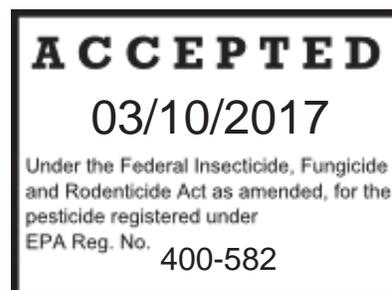
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
 (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by the poison control center or doctor. • Do not give anything to an unconscious person.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
<p>EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. 24 HOUR EMERGENCY PHONE 1-866-928-0789</p> <p>FOR PRODUCT USE INFORMATION: Call 1-866-761-9397</p>	
<p>NOTE TO PHYSICIAN</p> <p>Early signs of intoxication include dilation of pupils, muscular incoordination, and muscular tremors. Toxicity following accidental ingestion of this product can be minimized by early administration of chemical adsorbents (e.g., activated charcoal). If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parental fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels and proper respiratory functionality) as indicated by clinical signs, symptoms, and measurements. In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since abamectin is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic abamectin exposure.</p>	

Net
 Contents:
5
 gallons
 This box
 contains
 2x2.5 gallon
 containers
 or
4
 gallons
 This box
 contains
 4x1 gallon
 containers
 or
8 quarts
 This box
 contains
 8x1 quart
 containers
 or
64
 ounces
 This box
 contains
 8x8 ounce
 containers

EPA REG. NO. 400-582
 EPA EST. No.
 003/xxxxxx

Manufactured for:
 MacDermid Agricultural Solutions, Inc.
 245 Freight Street
 Waterbury CT 06702
 [Text in brackets is optional]
 [Batch Code will be placed on the container]



**PRECAUTIONARY STATEMENTS HAZARDS TO
HUMANS AND DOMESTIC ANIMALS
WARNING/AVISO**

May be fatal if swallowed. Harmful if inhaled. Avoid breathing spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and Other Handlers Must Wear:

- Long-sleeved shirt and long pants,
- Shoes plus socks, and
- For mixing and loading activities, wear an apron and chemical-resistant gloves made of barrier laminate, butyl rubber (≥ 14 mils), nitrile rubber (≥ 14 mils), neoprene rubber (≥ 14 mils), polyvinyl chloride (≥ 14 mils), or Viton (≥ 14 mils).

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then, wash thoroughly and change into clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing them. As soon as possible, wash thoroughly and change clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, estuarine/marine invertebrates, fish and wildlife. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target areas. Do not contaminate water when disposing of equipment wash water or rinsate.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are foraging the treatment area.

Use of this product may pose a risk to threatened and endangered species of fish, amphibians, crustaceans (including fresh water shrimp), and insects. All use of this product in the state of California should comply with the recommendations of the California Endangered Species Project. Before using this product in California, consult with your county agriculture commissioner to determine use limitations that apply in your area.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product through any type of irrigation system. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval and notification to workers (as applicable). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over short pants and short-sleeved shirt
- Chemical-resistant gloves – made of any waterproof material
- Chemical-resistant shoes and socks

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONARY STATEMENTS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR MITE/INSECT CONTROL, AND/OR ILLEGAL RESIDUES.

USE INFORMATION

Prevamite O is a suspension concentrate (flowable) that will control the pests on the crops listed on this label when it is applied according to the DIRECTIONS FOR USE. Thorough coverage of foliage is essential for good mite and insect control.

NOTE:

- **Adjuvant:** Residual control of pests may be enhanced with the addition of a horticultural spray oil at 0.5 to 1.0% of the spray volume on field-grown woody ornamentals, landscape plants and Christmas trees. As some plants are sensitive to oils, the user should spray a small number of plants and observe them for 2 weeks for signs of phytotoxicity before spraying additional plants. Excessive cold or warm temperatures may increase the chance of plant damage following application with oils. Carefully read and follow directions on the oil label and do not exceed maximum rates listed on either label.
- **Phytotoxicity:** The user should pre-test any proposed mixtures with **Prevamite O** to ensure the physical compatibility and lack of phytotoxic effects.

Resistance Management

Prevamite O contains the active ingredients abamectin and bifenazate. Because of the inherent risks of pests developing resistance to any product, it is strongly advised that **Prevamite O** be used in a sound resistance management program. Treatment may not be effective against labeled pests if insect or mite-tolerant strains develop. When applying **Prevamite O** to plants that are hosts of labeled pests with multiple generations per crop per year, use resistance management practices.

Resistance management practices include, but are not limited to:

- rotating **Prevamite O** with other products with different modes of action,
- not treating successive generations with products based on abamectin or other Group 6 acaricides, or the bifenazate group, or Group 20D acaricides.
- always applying this product at the rates prescribed by this label,
- using non-chemical alternatives such as beneficial arthropods,
- ensuring thorough spray coverage to all foliage

For additional information regarding the implementation of these or other resistance management practices, consult your local agricultural advisor or company representative.

APPLICATION DIRECTIONS
ORNAMENTALS

Prevamite O provides knockdown and long residual control of a wide variety of mite pests listed below on the following plants:

- All ornamental plants, including bedding plants, flowering plants, foliage plants, ornamental bulb crops, perennials and trees and shrubs.
- All non-bearing fruit trees which will not bear fruit for a minimum of 12 months.

Prevamite O can be used in the following areas where these plants are grown and/or maintained in containers or in the ground:

- Greenhouses and shadehouses
- Nurseries, including Christmas tree / conifer plantations
- Landscapes
- Interiorscapes

NOT INTENDED FOR HOMEOWNER USE

Target Pests	Application Rates Fl. Ozs. Per 100 Gals. Water	Application Instructions
<u>Mites:</u> Bamboo spider mite Broad mite Bud mite Carmine spider mite Citrus red mite Clover mite Cyclamen mite European red mite Lewis mite Pacific spider mite Rust mite Southern red mite Spruce spider mite Strawberry mite Two-spotted spider mite	3 - 4	Apply in sufficient volume of water to ensure thorough coverage of the foliage. Actual spray volume will vary depending on the size of the plants being treated. Do not exceed spray volumes of 300 gals./A. Begin applications as soon as mites appear. One additional application can be made after 7 days or as necessary to maintain control. Do not make more than two (2) applications per crop per year.
<u>Leafminers:</u> Boxwood <i>Liriomyza</i> Suppression only: Aphids Thrips Whiteflies	6	Apply in sufficient volume of water to ensure thorough coverage of the foliage. Actual spray volume will vary depending on the size of the plants being treated. Do not exceed spray volumes of 200 gals./A. For control of mining larvae, apply when adults are beginning to lay eggs on the new foliage. For suppression of pest populations, young immatures must be contacted by the spray. One additional application can be made after 7 days or as necessary to maintain control. Do not make more than two (2) applications per crop per year.

USE RESTRICTIONS

- Do not use in citrus nurseries.
- Apply by ground equipment including compressed air sprayers, hydraulic sprayers, ground boom sprayers, air blast sprayers, hose-end sprayers. Do not apply aerially.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place under lock and key. Post as a pesticide storage area. Always store pesticides in the original container. Store away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Place liquid formulations on lower shelves and dryer formulations above.

PESTICIDE DISPOSAL: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING: Nonrefillable containers: 2.5 gallons, 1 gallon, 1 quart or 8 ounces. Do not reuse or refill this container. Triple rinse (or equivalent) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake container for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

If pressure rinsing: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Then offer container for recycling or reconditioning, or puncture and dispose of container in a sanitary landfill or by incineration. Do not burn, unless allowed by state and local ordinances.

Recycling: Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer or contact the Ag Container Recycling Council (ACRC) at 1-877-952-2272 (toll free) or www.acrecycle.org.

IMPORTANT NOTICE—Sellers warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product, contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and to the extent consistent with applicable law, the buyer assumes the risk of any such use.

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